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NPIC/TSSG/RED 14 November 1969

Twin Stage Comparator

The Type 1740 Twin-Stage On-Line Stereo Comparator is designed	
to permit a photo-interpreter to measure, in stereo, small distances on	0574
TITH CHIPS. THE VICWING BYBOOM COMPACTOR OF THE CHIPS	25X1
High Power Stereo Viewer providing a magnification range of approximately	
8x to 200x.	

Independently controlled high intensity tungsten iodide lamps provide illumination for each leg of the stereo viewing system. Cold cathode lamps mounted beneath the stages provide general illumination. Each of the x-y stages on the comparator is capable of 6" x 6", (152mm x 152mm) of motion. The precision lead screws with optical shaft encoders make it possible to obtain accurate measurements between selected points on the film chips. Signals from the encoders are processed and converted into a format acceptable for on-line computer use by the associated data acquisition system.

test and ev	nstrument, de aluation, and December 1969	is antici	pated to	be availa	able for op	perational.
built i	ncluding the	data acqui	sition sy	stem. Th	ne instrume	ent was

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